

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:


California Integrated Waste Management Board  
Office of Local Assistance  
1001 I Street, (MS-25)  
PO Box 4025  
Sacramento, CA 95812-4025

General Instructions:

Please select the ONE choice below that best explains your request to the Board.

- ☒ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☐ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification			
All respondents must complete this section.			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name		County	
City of Highland		San Bernardino	
Authorized Signature		Title	
		Assistant Planner	
Type/Print Name of Person Signing		Date	Phone ( ) Include Area Code
Larry Mainez		1/23/02	909/864-8732 ext. 230
Person Completing This Form (please print or type)		Title	
Larry Mainez		Assistant Planner	
Affiliation:	City of Highland		
Mailing Address		City	State
27215 Baseline Street		Highland	CA
			ZIP Code
			92346-6103
E-Mail Address <u>steve_walker@eee.org</u>			

**Section II: Information for New Generation-Based Study for Existing or New Base Year**

Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").

*Note: New base years must be representative of a jurisdiction's disposal and diversion.*

1. Current Board-approved existing base year:

1990

2. Proposed new generation-based study year:

2000

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

For the year 2000, the generation study is considered to be a typical year. The purpose of the generation study is to determine the diversion rate; this is accomplished by quantifying the disposal and diversion which in sum quantify the generation rate and the applicable percentage rate for diversion for the year 2000.

**4. Enter diversion rate information below.**

Diversion rate calculated using existing base year

a. 28 %

Diversion rate calculated using new generation-based study

b. 52 %

For existing base year pounds/person/day based on generation

5.47

For new generation based study pounds/person/day based on generation

7.13

Residential generation 77 %

Non-Residential generation 23 %

Residential generation 25% %

Non-Residential generation 75% %

Population existing generation-based study 34439

Population new generation-based study 44450

5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).

The diversion rate is based on the utilization of diversion programs in the City of Highland. A portion of the increase in the tons per person/day is based on new growth in the City. Specific programs for 2000 include the Arrowhead Tunnel project. New programs have been implemented and existing programs have been reinforced.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

Full enumeration of known diversion programs results in an increase in the diversion rate of more than five percentage points over the diversion according to the secondary data approach of the online diversion rate calculator. The rate derived from the diversion rate calculator is unrealistically low for the City of Highland.

7. Disposal Tonnage (enter values):		5820	20791	27611
		Residential	Non-Residential	Total

Please select the ONE choice below that best explains your disposal data and complete the required tables.

☐ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at [www.clwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc](http://www.clwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc))

☒ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at [www.clwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc](http://www.clwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc))

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. Note: *The Board expects the jurisdictions to be able to provide all back-up documentation, if requested. Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt], white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment B all copies of survey forms.*

\*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation with multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: <a href="http://www.clwmb.ca.gov/LGCentral/Forms/Co-dea/Reduce.htm">www.clwmb.ca.gov/LGCentral/Forms/Co-dea/Reduce.htm</a>					
<b>Residential Source Reduction Activities</b>					
Backyard composting					
Grasscycling	295	0.5%			City files at City offices
Other Residential Source Reduction (list each program separately)					
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal Residential Source Reduction	295	0.5%			
<b>Residential Recycling Activities</b>					
Curbside Recycling	1745	3.0%	newspapers, cardboard, glass, plastics, metals		Hauler records at City offices
Buyback Centers	560	1.0%	aluminum, plastics, glass		DOC records at City offices
Drop-off Centers					

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation with multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: <a href="http://www.chwrmb.ca.gov/130Central/Paris/Coops/Reduce.htm">www.chwrmb.ca.gov/130Central/Paris/Coops/Reduce.htm</a>					
Other Residential Recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Recycling	2308	4.0%			
Residential Composting Activities					
Green Waste Drop-off					
Curbside Green Waste	3880	8.7%	Grass clippings, tree trimmings and branches		City files at City offices, hauler records
Christmas Tree Program	14	0.0%	Christmas trees		City files at City offices
Other Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Composting	3894	8.7%			
Subtotal, Residential Diversion	6495	11.2%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
Commercial recycling	29	0.0%	newspapers, cardboard, glass, plastics, metals		City files at City offices, hauler records
City government recycling	327	0.6%	paper, greenwaste, inerts		City files at City offices
Enter program name					
Enter program name					
Enter program name					
Subtotal, Non-Residential Source Reduction	356	0.6%			

Diversion Activity	Actual tons 1	Relative Percent to Total Generation	Specific Material Type(s) (List operation where multiple materials in one bag)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: <a href="http://www.chymb.ca.gov/LG/Central/Parks/Ce-des/Reduce.htm">www.chymb.ca.gov/LG/Central/Parks/Ce-des/Reduce.htm</a>					
Recycling					
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
Enter program name					City files at City offices
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	0	0.0%			
Non-Residential Composting					
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	0	0.0%			
Subtotal Non-Residential Diversion	360	0.8%			
Residential/Non-Residential Diversion Activities					
ADG	4200	7.3%			
Sludge					
Solar Metal					
Construction and Demolition	19196	53.2%			
Landfill Salvage					
Subtotal Residential/Non-Residential Diversion	23396	40.4%			
Total Res/Non-Res Source Reduction Tons	681	1.1%			
Total Diversion Tons	30247	52.3%			
Total Disposal Tons from Sec.7	27611	47.7%			
Total Generation Tons (Div+Dis)	57858				
Diversion Rate					
	52%				

**9. Specific Non-Residential Sector Waste Audits--Top 10 Non-Residential Generators**

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other
City of Highland	1	Paper, plastics, glass, metals, grass, leaves, trimmings, other organic material, C&D, etc.	651	21502 21765	8094	30247 30610	52.3 52.7%	
Totals			651	21502 21765	8094	30247 30610	52.3 52.7%	

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

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10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.":

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Inert Solids ▼	Concrete, asphalt, dirt and rubble	1998	19196
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

\_\_\_\_\_ (Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. Note: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

**Attachment 9**  
**Audit Diversion for the City of Highland: Calendar Year 2000**

Reference Number	Program	Diversion Activity	Material Type	Conversion Factor and Source	Tons
A-1	1000-SR-XGC	Source reduction	Greenwaste	7.62 tons per acre, CIWMB	295
A-2	2000-RC-CRB	Recycling	Cardboard	Actual tonnage, City and hauler records	145
		Recycling	Newspaper	Actual tonnage, City and hauler records	794
		Recycling	Mixed	Actual tonnage, City and hauler records	481
		Recycling	Office Sort	Actual tonnage, City and hauler records	33
		Recycling	HDPE	Actual tonnage, City and hauler records	57
		Recycling	PET	Actual tonnage, City and hauler records	26
		Recycling	Aluminum	Actual tonnage, City and hauler records	11
		Recycling	Tin	Actual tonnage, City and hauler records	48
		Recycling	Other	Actual tonnage, City and hauler records	1
		Recycling	Glass	Actual tonnage, City and hauler records	150
A-3	2020-RC-BYB	Recycling	Bottles, paper	Actual tonnage, City and DOC records	560
A-4	2030-RC-OSP	Recycling	Mixed paper	Actual tonnage, City and hauler records	16
			Newspaper	Actual tonnage, City and hauler records	0
			Office Sort	Actual tonnage, City and hauler records	0
			HDPE	Actual tonnage, City and hauler records	1
			PET	Actual tonnage, City and hauler records	1
			Aluminum cans	Actual tonnage, City and hauler records	0
			Tin cans	Actual tonnage, City and hauler records	2
			Glass	Actual tonnage, City and hauler records	8
A-5	2060-RC-GOV	Recycling	Greenwaste	Actual tonnage, City records	322
			Metal	Actual tonnage, City records	5
A-6	2070-RC-SNL	Recycling	Greenwaste	Actual tonnage, City and hauler records	14
A-7	3000-CM-RCG	Composting	Greenwaste	Actual tonnage, City and yard records	3,880
A-8	4060-SP-CAR	Recycling	Inerts	Actual tonnage, City and hauler records	19,196
A-9	7040-FR-ADC	Organics processing	Greenwaste	Actual tonnage, CIWMB disposal reporting	4,200

**TOTAL DIVERSION 30,246.9**